EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jeffrey T. Holman (Reg. No. 51,812) on September 29, 2010.

The application has been amended as follows:

Claim 1. (currently amended) Antenna switch which is arranged to alternately operate in a receive mode and a transmit mode, the antenna switch comprising:

an adaptive filter for coupling a signal processing means to an antenna during the receive mode and for electrically insulating the signal processing means from the antenna during the transmit mode, wherein the adaptive filter comprises a circuit arrangement of at least one capacitor and at least one inductor, wherein:

a group of circuit components of the circuit arrangement implements a transmit filter stage with a first passband during the transmit mode, wherein the first passband is a band-pass passband, wherein the group of circuit components of the transmit filter stage comprises:

a high-pass filter coupled between the antenna and switches for the signal processing means; and

a series arrangement of an inductor, a capacitor, and an inductor switch that are coupled in parallel with the high-pass filter; and

a subset of the group of circuit components of the circuit arrangement implements a receive filter stage wit ha second passband during the receive mode, wherein the subset of the group of circuit components of the receive filter stage comprises the high-pass filter coupled between the antenna and switches for the signal processing means.

Claim 13 (canceled)

Claim 14. (currently amended) The antenna switch according to claim 1, wherein the adaptive filter further comprises:

a transmitter switch coupled between a transmitter and the antenna; and

a ground switch coupled between ground and a common node of the series arrangement of the inductor and the third capacitor.

Claim 15 (currently amended) The antenna switch according to claim 1, wherein the high-pass filter of the receive filter stage comprises:

a pair of capacitors coupled in series between the antenna and the signal processing means; and

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Deleted: an inductor switch coupled between the antenna and the second inductor; and

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another inductor coupled between ground and a common node of the pair of capacitors.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: Kodim (U.S. PATENT NO. 7,005,940) alone or the combination of Kodim in view of Fukamachi (U.S. PG-PUB NO. 2004/0266378) do not teach nor describe the claimed limitation.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PING Y. HSIEH whose telephone number is (571)270-3011. The examiner can normally be reached on Monday~Thursday 8am ~ 4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lana N. Le can be reached on 571-272-7891. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/PING Y HSIEH/
Examiner, Art Unit 2618

/Lana N. Le/
Primary Examiner, Art Unit 2614